

## General

### Title

Colorectal cancer: proportion of patients with colorectal cancer who undergo curative surgical resection where greater than or equal to 12 lymph nodes are pathologically examined.

### Source(s)

NHS Scotland, Scottish Cancer Taskforce. Colorectal cancer clinical quality performance indicators. Edinburgh (Scotland): Scottish Government, Healthcare Improvement Scotland; 2015 Mar. 32 p. [11 references]

## Measure Domain

### Primary Measure Domain

Clinical Quality Measures: Process

### Secondary Measure Domain

Does not apply to this measure

## Brief Abstract

### Description

This measure is used to assess the proportion of patients with colorectal cancer who undergo curative surgical resection where greater than or equal to 12 lymph nodes are pathologically examined.

Note from the National Quality Measures Clearinghouse: This measure is part of the Cancer Quality Performance Indicators (QPIs) collection. For more information, including a complete list of QPI measure sets, please visit the [Healthcare Improvement Scotland Web site](#).

### Rationale

Maximising the number of lymph nodes resected and analysed enables reliable staging which influences treatment decision making (NHS Quality Improvement Scotland, 2008).

### Evidence for Rationale

NHS Quality Improvement Scotland. Management of bowel cancer services. Edinburgh (Scotland): NHS Quality Improvement Scotland; 2008 Mar. 41 p. [36 references]

NHS Scotland, Scottish Cancer Taskforce. Colorectal cancer clinical quality performance indicators. Edinburgh (Scotland): Scottish Government, Healthcare Improvement Scotland; 2015 Mar. 32 p. [11 references]

## Primary Health Components

Colorectal cancer; curative surgical resection; lymph nodes; pathology examination

## Denominator Description

All patients with colorectal cancer who undergo curative surgical resection (with or without neo-adjuvant short course radiotherapy) (see the related "Denominator Inclusions/Exclusions" field)

## Numerator Description

Number of patients with colorectal cancer who undergo curative surgical resection where greater than or equal to 12 lymph nodes are pathologically examined (see the related "Numerator Inclusions/Exclusions" field)

## Evidence Supporting the Measure

### Type of Evidence Supporting the Criterion of Quality for the Measure

A clinical practice guideline or other peer-reviewed synthesis of the clinical research evidence

A formal consensus procedure, involving experts in relevant clinical, methodological, public health and organizational sciences

### Additional Information Supporting Need for the Measure

Unspecified

## Extent of Measure Testing

The collection of data is piloted on a small number of patient records using a paper data collection form produced by Information Services Division (ISD). The aim is to identify any anomalies or difficulties with data collection prior to full implementation. At least one NHS board in each Regional Cancer Network participates in the pilot.

## Evidence for Extent of Measure Testing

NHS Scotland. National cancer quality performance indicators: overview of development process. Edinburgh (Scotland): NHS Scotland; 2012 Dec. 7 p.

# State of Use of the Measure

## State of Use

Current routine use

## Current Use

not defined yet

# Application of the Measure in its Current Use

## Measurement Setting

Hospital Inpatient

## Professionals Involved in Delivery of Health Services

not defined yet

## Least Aggregated Level of Services Delivery Addressed

Single Health Care Delivery or Public Health Organizations

## Statement of Acceptable Minimum Sample Size

Unspecified

## Target Population Age

Unspecified

## Target Population Gender

Either male or female

# National Strategy for Quality Improvement in Health Care

## National Quality Strategy Aim

Better Care

## National Quality Strategy Priority

# Institute of Medicine (IOM) National Health Care Quality Report Categories

## IOM Care Need

Living with Illness

## IOM Domain

Effectiveness

## Data Collection for the Measure

### Case Finding Period

Unspecified

### Denominator Sampling Frame

Patients associated with provider

### Denominator (Index) Event or Characteristic

Clinical Condition

Therapeutic Intervention

### Denominator Time Window

not defined yet

### Denominator Inclusions/Exclusions

#### Inclusions

All patients with colorectal cancer who undergo curative surgical resection (with or without neo-adjuvant short course radiotherapy)

#### Exclusions

Patients with rectal cancer who undergo long course neo-adjuvant chemoradiotherapy or radiotherapy  
Patients who undergo transanal endoscopic microsurgery or transanal resection of tumour

### Exclusions/Exceptions

not defined yet

## Numerator Inclusions/Exclusions

### Inclusions

All patients with colorectal cancer who undergo curative surgical resection where greater than or equal to 12 lymph nodes are pathologically examined

### Exclusions

Patients with rectal cancer who undergo long course neo-adjuvant chemoradiotherapy or radiotherapy  
Patients who undergo transanal endoscopic microsurgery or transanal resection of tumour

## Numerator Search Strategy

Fixed time period or point in time

## Data Source

Electronic health/medical record

Paper medical record

## Type of Health State

Does not apply to this measure

## Instruments Used and/or Associated with the Measure

Unspecified

## Computation of the Measure

### Measure Specifies Disaggregation

Does not apply to this measure

## Scoring

Rate/Proportion

## Interpretation of Score

Desired value is a higher score

## Allowance for Patient or Population Factors

not defined yet

## Standard of Comparison

not defined yet

## Prescriptive Standard

Target: 80%

The tolerance within this target accounts for situations where patients are not fit enough to undergo extensive lymphadenectomy.

Note: Varying evidence exists regarding the most appropriate target level therefore this may need to be redefined in the future, to take account of new evidence or as further data becomes available.

## Evidence for Prescriptive Standard

NHS Scotland, Scottish Cancer Taskforce. Colorectal cancer clinical quality performance indicators. Edinburgh (Scotland): Scottish Government, Healthcare Improvement Scotland; 2015 Mar. 32 p. [11 references]

## Identifying Information

### Original Title

QPI 5 – lymph node yield.

### Measure Collection Name

Cancer Quality Performance Indicators (QPIs)

### Measure Set Name

Colorectal Cancer

### Submitter

NHS Scotland - National Government Agency [Non-U.S.]

Scottish Cancer Taskforce - National Government Agency [Non-U.S.]

### Developer

NHS Scotland - National Government Agency [Non-U.S.]

Scottish Cancer Taskforce - National Government Agency [Non-U.S.]

### Funding Source(s)

Scottish Government

### Composition of the Group that Developed the Measure

## Financial Disclosures/Other Potential Conflicts of Interest

Unspecified

## Adaptation

This measure was not adapted from another source.

## Date of Most Current Version in NQMC

2016 Mar

## Measure Maintenance

The Cancer Quality Performance Indicators (QPIs) will be kept under regular review and be responsive to changes in clinical practice and emerging evidence.

## Date of Next Anticipated Revision

Unspecified

## Measure Status

This is the current release of the measure.

## Measure Availability

Source document available from the [Healthcare Improvement Scotland Web site](#) .

For more information, contact the Healthcare Improvement Scotland at Gyle Square, 1 South Gyle Crescent, Edinburgh, Scotland EH12 9EB; Phone: 0131 623 4300; E-mail: [comments.his@nhs.net](mailto:comments.his@nhs.net); Web site: [www.healthcareimprovementscotland.org/](http://www.healthcareimprovementscotland.org/) .

## Companion Documents

The following is available:

NHS Scotland. National cancer quality performance indicators: overview of development process. Edinburgh (Scotland): NHS Scotland; 2012 Dec. 7 p. This document is available from the [Healthcare Improvement Scotland Web site](#) .

## NQMC Status

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## Production

### Source(s)

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